

In the Claims:

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Kindly replace the previous versions of claims 1-11 with the following rewritten amended versions of claims 1-11 pursuant to 37 CFR § 121(c)(1) and in clean form pursuant to 37 CFR § 121(c)(1)(i):

1. (amended) A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose configuration yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein the current acquisition coil is open on at least one side, thereby generating a gap (7) (that can be opened and then closed again.)
2. (amended) A current acquisition coil according to claim 1, wherein the coil comprises two annular printed circuit board segments (1, 10), which are connected to each other on one side by a hinge (6).
3. (amended) A current acquisition coil according to claim 1 or 2, wherein the printed conductor ends (13) of the coil winding on a first printed circuit board segment (1) are connected by means of flexible conductors (12) with the printed conductor ends (13) of the coil winding on a second printed circuit board segment (10).

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4. (amended) A current acquisition coil according to claim 1, wherein the coil comprises a single-piece, slitted, and twistable printed circuit board segment (1).
5. (amended) A current acquisition coil according to claim 1, 2, 3, or 4, wherein the printed circuit board (1, or 1 and 10) of the current acquisition coil is built around several layers.
6. (amended) A current acquisition coil according to claim 5, wherein two layers are provided for the printed conductors of an incoming winding (22, 22a, 23, 23a), and two additional layers are provided for the printed conductors of a returning winding (24, 24a, 25, 25a).
7. (amended) A current acquisition coil according to claim 1, 2, 3, 4, 5, or 6, wherein components for an electronic circuit (19) are arranged on the printed circuit board (1).
8. (amended) A current acquisition coil according to the Rogowski principle with printed conductors (22, 23, 24, 25), whose arrangement yields a coil winding (20, 21), and whose printed conductor ends are connected to each other by through platings (26, 27, 28, 29) on a printed circuit board (1, 10), wherein a printed circuit board for a conductor to be measured accommodates electrical terminals (56), which are

connected to each other via printed conductors (52, 54) and at least one through plating (53) in an axial direction in a center of the coil.

9. *(amended)* A current acquisition coil according to claim 8, wherein the printed circuit board (1, or 1 and 10) of the current acquisition coil is built around several layers.

10. *(amended)* A current acquisition coil according to claim 9, wherein two layers are provided for the printed conductors of an incoming winding (22, 22a, 23, 23a), and two additional layers are provided for the printed conductors of a returning winding (24, 24a, 25, 25a).

11. *(amended)* A current acquisition coil according to claim 8, 9, or 10, wherein components for an electronic circuit (19) are arranged on the printed circuit board (1).